

Kenneth Bain - Class of 1975

Ken received a B.M.E. in Mechanical Engineering from General Motors Institute (now Kettering University) in 1980. He graduated from the Massachusetts Institute of Technology with an M.S. Degree (1982) and a Ph.D. Degree (1983), both in Metallurgy.

Ken comes from a large family all of whom went to Brownsburg High School. Ken married his high school sweetheart, Amy (Trent) Bain who was the Brownsburg High School valedictorian in 1976. They have two children, Daniel and Molly.

Ken was an Eagle Scout and member of the National Honor Society. He played football and wrestled for Brownsburg High School. He enjoys travel and has been to most National Parks, New Zealand, Australia and many European countries.

Ken had 42 years of experience in gas turbine engineering and materials behavior, 27 years of that experience at General Electric. His career revolved around development and introduction of advanced materials into aircraft systems. He worked on both military and commercial projects and was program manager on multiple US Air Force, US Navy and NASA programs. He has worked on a variety of advanced materials including metal matrix composites, titanium disk alloys, single crystal Superalloys, cast Superalloys, thermal barrier coatings, and extensively on the behavior and processing of both wrought and powder metal Superalloys. He is a co-inventor of several alloys used in most modern jet engines operating today. He holds 19 patents on processing, chemistry, and components for aircraft. His career started at Allison Gas Turbines in Indianapolis and ended at General Electric Aviation in Cincinnati, Ohio. He retired from GE as a Senior Engineering Manager.